



PATENT
42121/R535

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. Patent No. : 7,061,970 Confirmation No. 9964
Issued : June 13, 2006
Inventor(s) : Irving S. Reed, et al.
Application No. : 09/883,835
Filed : June 18, 2001
Title : SELF-SYNCHRONIZING ADAPTIVE MULTISTAGE RECEIVER
FOR WIRELESS COMMUNICATION SYSTEMS

REQUEST FOR CERTIFICATE OF CORRECTION

Office of Certificates of Correction
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

P. O. Box 7068
Pasadena, CA 91109-7068
May 24, 2007

Commissioner:

Submitted herewith are two copies of a proposed Certificate of Correction for the above-referenced patent. The errors are identified in detail in the proposed certificate, and the corresponding text in the application is located as follows:

Location in Patent

Location in Application

PTO errors:

On the Title Page

(56) Reference Cited
Other Publications
MMSE interference suppression for direct-sequence. . .

892 received with Office action dated Jan. 3, 2005

(57) Abstract, line 1

Examiner's Amendment received with Notice of Allowance dated Jun. 16, 2005, pg. 2, Abstract, line 1

(56) References Cited
Other Publications
pg. 2, Col. 1
Near-far resistance of multiuser detectors. . .

892 received with Office action dated Jan. 3, 2005

05/30/2007 LWONDIH1 00000017 7061970

01 FC:1811

100.00 OP

MAY 31 2007

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on: May 24 2007
(Date of Deposit)

U.S. Patent No. 7,061,970

(56) References Cited

Other Publications

pg. 2, Col. 2

Parkvall et al., Near-Far Resistent Receivers.

892 received with Notice of Allowance dated Jun. 16, 2005

In the Claims

Column 29, line 3, Claim 4	Amendment dated Mar. 23, 2005, pg. 3, Claim 4, line 3
Column 28, line 64, Claim 3	Amendment dated Mar. 23, 2005, pg. 3, Claim 3, line 2
Column 29, line 41, Claim 5	Amendment dated Mar. 23, 2005, pg. 4, Claim 5, line 3
Column 29, line 45, Claim 5	Amendment dated Mar. 23, 2005, pg. 4, Claim 5, line 2
Column 30, line 35, Claim 6	Amendment dated Mar. 23, 2005, pg. 4, Claim 6, line 7
Column 30, line 41, Claim 6	Amendment dated Mar. 23, 2005, pg. 4, Claim 6, line 10
Column 30, line 46, Claim 6	Amendment dated Mar. 23, 2005, pg. 4, Claim 6, line 11
Column 31, line 57, Claim 7	Amendment dated Mar. 23, 2005, pg. 6, Claim 7, line 5
Column 33, line 22, Claim 8	Amendment dated Mar. 23, 2005, pg. 7, Claim 8, line 10
Column 35, line 18, Claim 13	Amendment dated Mar. 23, 2005, pg. 10, Claim 13, line 9
Column 36, line 65, Claim 14	Amendment dated Mar. 23, 2005, pg. 12, Claim 14, line 2
Column 37, line 5, Claim 14	Amendment dated Mar. 23, 2005, pg. 12, Claim 14, line 6
Column 37, line 9, Claim 14	Amendment dated Mar. 23, 2005, pg. 12, Claim 14, line 7
Column 38, line 19, Claim 15	Amendment dated Mar. 23, 2005, pg. 13, Claim 15, line 10
Column 39, line 47, Claim 16	Amendment dated Mar. 23, 2005, pg. 14, Claim 16, line 12
Column 39, line 56, Claim 16	Amendment dated Mar. 23, 2005, pg. 14, Claim 16, line 14
Column 41, line 58, Claim 25	Amendment dated Mar. 23, 2005, pg. 17, Claim 25, line 3
Column 42, line 6, Claim 25	Amendment dated Mar. 23, 2005, pg. 18, Claim 25, line 5

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U.S. Patent No. 7,061,970

Applicant errors:

On the Title Page

(57) Abstract, line 16	Abstract as Originally filed, pg. 55, line 11
(57) Abstract, line 17	Abstract as Originally filed, pg. 55, line 12
(57) Abstract, line 24	Abstract as Originally filed, pg. 55, line 16

In the Claims


Column 40, line 11, Claim 17	Amendment dated Mar. 23, 2005, pg. 15, Claim 17, line 3
Column 40, line 53, Claim 20	Amendment dated Mar. 23, 2005, pg. 16, Claim 20, line 2
Column 40, line 56, Claim 20	Amendment dated Mar. 23, 2005, pg. 16, Claim 20, line 3
Column 41, line 53, Claim 24	Amendment dated Mar. 23, 2005, pg. 17, Claim 24, line 9

Applicant(s) errors were unintentional and inadvertent, and were made in good faith through oversight. Correction is accordingly requested under 35 U.S.C. § 255, and our check for the \$100 statutory fee is enclosed. Any deficiency or overpayment should be charged or credited to Deposit Account No. 03-1728. Please show our docket number with any credit or charge to our Deposit Account.

Correction of applicant(s) errors does not constitute new matter or require reexamination. Approval of this certificate is respectfully requested

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By 
Raymond R. Tabandeh
Reg. No. 43,945
626/795-9900

RRT/clv
Enclosures: Certificate of Correction (2)
Check \$100

CLV PAS738267.1-*05/21/07 10:45 AM

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 5

PATENT NO. : 7,061,970
APPLICATION NO.: 09/883,835
ISSUE DATE : Jun. 13, 2006
INVENTOR(S) : Reed et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

(56) Reference Cited
Other Publications
MMSE interference suppression for direct-
sequence. . .

Delete "Issue: Dec. 12, 1994",
Insert --Issue: 12, Dec. 1994--

(57) Abstract, line 1

Delete "discloses",
Insert --is--

(57) Abstract, line 16

Delete "systems",
Insert --system--

(57) Abstract, line 17

Delete "for;",
Insert --for--

(57) Abstract, line 24

Delete "bank",
Insert --bank.--

(56) References Cited
Other Publications
pg. 2, Col. 1

Delete "Issue: Apr. 4, 1990",
Insert --Issue: 4, Apr. 1990--

Near-far resistance of multiuser detectors. .

MAILING ADDRESS OF SENDER (Please do not use customer number below):

CHRISTIE, PARKER & HALE, LLP.
P.O. Box 7068
Pasadena, California 91109-7068

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 5

PATENT NO. : 7,061,970
APPLICATION NO.: 09/883,835
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It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(56) References Cited
Other Publications
pg. 2, Col. 1
Parkvall et al., Near-Far Resistent
Receivers. . .

After "Without",
Insert --A--

In the Claims

Column 29, line 3, Claim 4

Delete "î",
Insert -- \hat{i} --

Column 28, line 64, Claim 3

Delete " $u_1 = s_1 / \sqrt{s_1^t s_1}$ ",
Insert -- " $u_1 = s_1 / \sqrt{s_1^t s_1}$ --

Column 29, line 41, Claim 5

Delete " r_{xl} ",
Insert -- r_{xldl} --

Column 29, line 45, Claim 5

Delete " $\frac{1}{L} X_0[i] X_0^t[i]$ ",
Insert -- " $\frac{1}{L} X_0[i] X_0^t[i]$ --

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Page 3 of 5

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INVENTOR(S) : Reed et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 30, line 35, Claim 6

Delete " $u_1 = s_1 / \sqrt{s_1^t s_1}$ ",

Insert -- " $u_1 = s_1 / \sqrt{s_1^t s_1}$ " --

Column 30, line 41, Claim 6

Delete " $\hat{u}_1^t[i] X_{j-1}[i]$ ",

Insert -- " $\hat{u}_j^t[i] X_{j-1}[i]$ " --

Column 30, line 46, Claim 6

Delete " $u_1^t x[i]$ ",

Insert -- " $u_1^t x[i]$ " --

Column 31, line 57, Claim 7

Delete " $u_1 = s_1 / \sqrt{s_1^t s_1}$ ",

Insert -- " $u_1 = s_1 / \sqrt{s_1^t s_1}$ " --

Column 33, line 22, Claim 8

Delete " $u_1^t x[i]$ ",

Insert -- " $u_1^t x[i]$ " --

Column 35, line 18, Claim 13

Delete " $u_1 = s_1 / \sqrt{s_1^t s_1} \cdot [\cdot]^T$ denoted",

Insert -- " $u_1 = s_1 / \sqrt{s_1^t s_1} \cdot [\cdot]^T$ denotes--

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Page 4 of 5

PATENT NO. : 7,061,970
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INVENTOR(S) : Reed et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 36, line 65, Claim 14

Delete " $\mathbf{u}_1^t \mathbf{x}[i]$ ",

Insert -- $\mathbf{u}_1^t \mathbf{x}[i]$ --

Column 37, line 5, Claim 14

Delete " $\hat{\mathbf{r}}_{\mathbf{x}, d_i}[i]$ ",

Insert -- $\hat{\mathbf{r}}_{\mathbf{x}, d_j}[i]$ --

Column 37, line 9, Claim 14

Delete " \mathbf{r}_{xidl} ",

Insert -- \mathbf{r}_{xidl} --

Column 38, line 19, Claim 15

Delete " $\mathbf{u}_1^t \mathbf{x}[i]$ ",

Insert -- $\mathbf{u}_1^t \mathbf{x}[i]$ --

Column 39, line 47, Claim 16

Delete " $\frac{1}{L} \mathbf{B}_1 \mathbf{X}_0[i] \mathbf{X}_0^t[i] \mathbf{s}_1$ ",

Insert -- $\frac{1}{L} \mathbf{B}_1 \mathbf{X}_0[i] \mathbf{X}_0^t[i] \mathbf{s}_1$ --

Column 39, line 56, Claim 16

Delete " $\hat{\mathbf{b}}_1 = \mathbf{sgn}((\mathbf{u}_1^t - \mathbf{w}_{\text{GSC}}^t[\hat{i}] \mathbf{B}_1) \mathbf{x}[\hat{i}])$ ",

Insert -- $\hat{\mathbf{b}}_1 = \mathbf{sgn}((\mathbf{u}_1^t - \mathbf{w}_{\text{GSC}}^t[\hat{i}] \mathbf{B}_1) \mathbf{x}[\hat{i}])$ --

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It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 40, line 11, Claim 17	Delete "cause", Insert --causing--
Column 40, line 53, Claim 20	Delete "comprises", Insert --comprise--
Column 40, line 56, Claim 20	Delete "equation;", Insert --equation:--
Column 41, line 53, Claim 24	Delete "W[i]" [†] , Insert --W[i] [†] --
Column 41, line 58, Claim 25	Delete "k=1 to n", Insert --k=1 to n--
Column 42, line 6, Claim 25	Delete " $u_1^{\dagger} x[i]$ ", Insert -- $u_1^{\dagger} x[i]$ --

CLV PAS738269.1-*05/24/07 9:37 AM

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